

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01M 15/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5560341 A (K.MACHIDA), 1 October 1996 (01.10.96), abstract --	1-12
A	US 5709192 A (U.ZIMMERMANN), 20 January 1998 (20.01.98), abstract --	1-12
A	US 3972230 A (R.HANSON ET AL), 3 August 1976 (03.08.76), abstract --	1-12
A	US 5979407 A (Y.WANG ET AL), 9 November 1999 (09.11.99), abstract --	1-12

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

19 May 2003

Date of mailing of the international search report

02 -07- 2003

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. +46 8 666 02 86

Authorized officer

Lars Jakobsson /itw  
Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/00602

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 19813495 C1 (SCANIA CV AB), 8 July 1999 (08.07.99), abstract --	1-12
A	DE 19540826 A1 (DAIMLER-BENZ AKTIENGESELLSCHAFT), 7 May 1997 (07.05.97), abstract --	1-12
A	DE 10055192 A1 (MTU FRIEDRICHSHAFEN GMBH), 29 May 2002 (29.05.02), abstract --	1-12
A	DE 4002210 A1 (ROBERT BOSCH GMBH), 1 August 1991 (01.08.91), abstract --	1-12
A	DE 3105331 A1 (SIEMENS AG), 2 Sept 1982 (02.09.82), abstract -- -----	1-12

INTERNATIONAL SEARCH REPORT  
Information on patent family members

29/04/03

International application No.  
PCT/SE 03/00602

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	5560341	A	01/10/96	JP	2943045 B	30/08/99
				JP	7293316 A	07/11/95
US	5709192	A	20/01/98	DE	19548604 C	20/02/97
				EP	0763725 A	19/03/97
US	3972230	A	03/08/76	NONE		
US	5979407	A	09/11/99	DE	19924294 A	02/12/99
				GB	2338069 A,B	08/12/99
				GB	9912567 D	00/00/00
DE	19813495	C1	08/07/99	SE	517393 C	04/06/02
				SE	9901067 A	27/09/99
DE	19540826	A1	07/05/97	NONE		
DE	10055192	A1	29/05/02	EP	1242738 A	25/09/02
				WO	0238936 A	16/05/02
DE	4002210	A1	01/08/91	WO	9111600 A	08/08/91
DE	3105331	A1	02/09/82	NONE		